L Number	Hits	Search Text	DB	Time stamp
-	2	"5547550"	USPAT	2002/11/07
				09:18
_	6	"5584977"	USPAT	2002/11/06 11:37
-	2	4775551.pn. 4743349.pn.	USPAT	2002/11/06 11:51
_	11	"911432"	USPAT; EPO	2002/11/06 11:51
_	3	5547550.pn. 5584977.pn. 4775551.pn.	USPAT	2002/11/07
		, , , , , , , , , , , , , , , , , , , ,		09:23
_	39198	"3" and nip	USPAT	2002/11/07
				09:18
_	39318	"1" and nip	USPAT	2002/11/07
				09:19
_	0	(5547550.pn. 5584977.pn. 4775551.pn.) and nip	USPAT	2002/11/07
	_			09:19
_	15	"5547550" "5584977" "4775551"	USPAT	2002/11/07
				09:36
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1		(351,355 3561),, 173562 yana iiip		09:27
_	30	"5338430"	USPAT	2002/11/07
	30	3000 100		09:27
_	54069	("5547550" "5584977" "4775551") and silica or	USPAT	2002/11/07
_	54007	(silicon adj dioxide)		09:36
_	13	("5547550" "5584977" "4775551") and (silica or	USPAT	2002/11/07
_	13	(silicon adj dioxide))	001701	09:48
	0	("5547550" "5584977" "4775551") and (silicon adj	USPAT	2002/11/07
-	U	dioxide)	03/7/1	09:48
	0	("5547550" "5584977" "4775551") and (silica adj3	USPAT	2002/11/07
	U	(5547550 5584977 4775551) and (sinca adjo	03171	09:48
	13	("5547550" "5584977" "4775551") and (silica)	USPAT	2002/11/07
_	13	(5547 556 - 5564977 - 477 5551) and (sinea)	0317(1	10:22
	1197	204/242	USPAT	2002/11/07
_	1197	204/242	03171	10:23
	31	204/242 and (silicon adj dioxide)	USPAT	2002/11/15 10:10
-	30	"5338430"	USPAT	2002/11/07 10:31
_	1	5338430.pn.	USPAT	2002/11/07 13:16
_	6	boso450.pn. kuntzburger	USPAT	2002/11/07 13:16
_	2	"5547550"	USPAT	2002/11/14 12:51
_	<u>د</u> 1	"4665120".PN.	USPAT	2002/11/14 12:27
-	7	"4775551"	USPAT	2002/11/14 12:58
_	2	4775551 "5547550"	USPAT	2002/11/14 12:58
_	7	"4775551"	USPAT	2002/11/14 12:59
_	28	bachot and jean	USPAT	2002/11/15 10:07
-	0	bachot and jean and nip	USPAT	2002/11/15 10:07
-	1	bachot and jean and roller	USPAT	2002/11/15 10:07
	10143	membrane\$3 and electrochemical	USPAT	2002/11/15 10:07
_	10143	membrane\$3 and electrochemical and silica and PTFE	USPAT	2002/11/15 10:11
-	396	membrane\$3 and electrochemical and silica and	USPAT	2002/11/15 10:11
-	370	(PTFE or (polytetrafluoroethylene))	00171	2000, 11/10 10:11
	0	membrane\$3 and electrochemical and silica and	USPAT	2002/11/15 10:11
-	U	·	JOSEAN	2002,11,13 10.11
	207	(PTFE or (polytetrafluoroethylene)) and collodial	USPAT	2002/11/15 10:12
-	387	membrane\$3 and electrochemical and silica and	USFAI	2002/11/10 10.12
		(PTFE or (polytetrafluoroethylene)) and (dispers\$5		
		or solut\$5)	J	L

621 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (polytetraf\$6 and (polytetraf\$6 and (polytetraf\$6 and (polytetraf\$6 and (polytetraf\$6 and (polytetraf\$6 and
(polytetrafluoroethylene) and (dispers\$5 or solut\$5)
197
electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6
(polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and impreg\$6 and bind\$5 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 9 3 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
and impreg\$6 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 - 56 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) - 1 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) and mip - 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) - 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) - 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) and nip - 2 "5547550" - 1 "5092977".PN. - 1 "5092977".PN. - 1 "5092977".PN. - 1 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
and impreg\$6 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 - 56 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) - 1 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) and mip - 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) - 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) - 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glase adj3 fiber\$7) and nip - 2 "5547550" - 1 "5092977".PN. - 1 "5092977".PN. - 1 "5092977".PN. - 1 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
143
electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5
(polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 1 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) - 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) - 4 (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) - 3 and nip - 4 (polytetrafluoroethylene)) and (blasers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) - 4 and nip - 5092977".PN.
and impreg\$6 and bind\$5 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 1 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 1 "5092977".PN. 2 USPAT 2002/11/18 09: 2 "5547550" USPAT 2002/11/18 09: 2 "5547550" USPAT 2002/11/18 09:
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electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 (polytetrafluoroethylene)) and (Juspers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 (polytetrafluoroethylene) - 3 (polytetrafluoroethylene) - 4 (polytetrafluoroethylene) - 5
(polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 1 (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and mipreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip "5547550" 1 "5092977".PN. USPAT 2002/11/18 09: 2002/11/18 09:
and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and electrochemical and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" USPAT 2002/11/18 09: "5547550" "5584977" "4775551" USPAT 2002/11/18 09: 2002/
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electrochemical and silica and (PTFE or
(polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" USPAT 2002/11/18 09: USPAT 2002/11/18 09: 1 "5092977".PN. USPAT 2002/11/18 09:
and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" 1 "5092977".PN. USPAT 2002/11/18 09: USPAT 2002/11
and nip (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" 1 "5092977".PN. 15 "5547550" "5584977" "4775551" USPAT USPAT 2002/11/18 09: USPAT
- 93 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) - 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 "5547550" - 1 "5092977".PN 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09: USPAT 200
(electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" 1 "5092977".PN. 15 "5547550" "4775551" USPAT 2002/11/18 09: USPAT 2002/11/18
batter\$5) and silica and (PTFE or
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and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip 2 "5547550" 1 "5092977".PN. 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09: US
- 4 (membrane\$3 or nonwoven or fabric or material) and (electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 "5547550" USPAT 2002/11/18 09: 15 "5547550" "4775551" USPAT 2002/11/18 09: 2002/11/18 00: 2002/11/18 00: 2002/11/18 00: 2002
(electrochemical or (fuel adj cell\$3) or sensor\$3 or batter\$5) and silica and (PTFE or (polytetrafluoroethylene)) and (dispers\$5 or solut\$5) and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 "5547550" USPAT 2002/11/18 09: 15 "5547550" "4775551" USPAT 2002/11/18 09: 15 "5547550" "5584977" "4775551"
batter\$5) and silica and (PTFE or
batter\$5) and silica and (PTFE or
and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 "5547550" USPAT 2002/11/18 09: - 1 "5092977".PN. USPAT 2002/11/18 09: - 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
and impreg\$6 and bind\$5 and (glass adj3 fiber\$7) and nip - 2 "5547550" USPAT 2002/11/18 09: - 1 "5092977".PN. USPAT 2002/11/18 09: - 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
and nip - 2 "5547550" USPAT 2002/11/18 09: - 1 "5092977".PN. USPAT 2002/11/18 09: - 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
- 2 "5547550" USPAT 2002/11/18 09: - 1 "5092977".PN. USPAT 2002/11/18 09: - 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
- 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
- 15 "5547550" "5584977" "4775551" USPAT 2002/11/18 09:
, , , , , , , , , , , , , , , , , , ,
09:39
- 0 (5547550.pn. 5584977.pn. 4775551.pn.) and nip USPAT 2002/11/18 09:
- 0 (5547550.pn. 5584977.pn. 4775551.pn.) and roller\$3 USPAT 2002/11/18
09:20
- 1 (5547550.pn. 5584977.pn. 4775551.pn.) and USPAT 2002/11/18
impregn\$5
- 1 "60037668" USPAT; JPO 2002/11/18
09:26
- 1 "59154769" USPAT; JPO 2002/11/18
- 1 59154769 OSPAT, JPO 2002/11/18 O9:26
- 6 "5584977" USPAT 2002/11/18 09:32
- 7 "4775551" USPAT 2002/11/18 10:0
- 1 "3940536".PN. USPAT 2002/11/18
09:54
- 1 "3980613".PN. USPAT 2002/11/18
09:55
- 1 "4135996".PN. USPAT 2002/11/18
09:55

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-	1	"4204938".PN.	USPAT	2002/11/18
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	1	4557117 .FIN.	USPAT	2002/11/18
i _	1539	127/270		09:56
-		427/379	USPAT	2002/11/18 10:02
-	6	427/379 and (fuel adj cell)	USPAT	2002/11/18 10:03
-	130	(membrane\$3 or nonwoven or fabric or material) and	USPAT	2002/11/18 10:17
		electrochemical and silica and (PTFE or		
		(polytetrafluoroethylene)) and (dispers\$5 or solut\$5)		
	20	and impreg\$6 and binder\$3		
-	20	(membrane\$3 or nonwoven or fabric or material) and	USPAT	2002/11/18 10:23
		silica and (PTFE or (polytetrafluoroethylene)) and		
		(dispers\$5 or solut\$5) and impreg\$6 and binder\$3		
	1.4	and (paper adj making)	1	
-	14	(membrane\$3 or nonwoven or fabric or material) and	USPAT	2002/11/18 10:23
		silica and (PTFE or (polytetrafluoroethylene)) and		
		(dispers\$5 or solut\$5) and slurry and impreg\$6 and		
	14	binder\$3 and (paper adj making)	1	
] -	14	(membrane\$3 or nonwoven or fabric or material) and	USPAT	2002/11/18 10:46
		silica and (PTFE or (polytetrafluoroethylene)) and		
		slurry and impreg\$6 and binder\$3 and (paper adj		
i _	3	making)		
] -		(membrane\$3 or nonwoven or fabric or material) and	USPAT	2002/11/18 10:48
ĺ		slurry and (impreg\$6 same silica same (PTFE or		
_	10	(polytetrafluoroethylene))) and (paper adj making) (membrane\$3 or nonwoven or fabric or material) and	1100.7	0000 44 40 40 40
	10	slurry and (impreg\$6 same silica same (PTFE or	USPAT	2002/11/18 10:52
		(polytetrafluoroethylene)))		
_	10	(membrane\$3 or nonwoven\$3 or fabric or	LICDAT	2002 44 42 40 52
		material\$3) and slurry and (impreg\$6 same silica	USPAT	2002/11/18 10:53
Ì		same (PTFE or (polytetrafluoroethylene)))		
_	1	(membrane\$3 or nonwoven\$3 or fabric or	USPAT	2002/11/19 10:54
		material\$3) and slurry and (impreg\$6 same silica	OSFAT	2002/11/18 10:54
		same (PTFE or (polytetrafluoroethylene))) and nip		
_	5	(membrane\$3 or nonwoven\$3 or fabric or	USPAT	2002/11/18 10:55
		material\$3) and slurry and (impreg\$6 same silica	00,70	2002/11/10 10:55
		same (PTFE or (polytetrafluoroethylene))) and nip\$6		
-	5	(membrane\$3 or nonwoven\$3 or fabric or	USPAT	2002/11/18 10:56
		material\$3) and slurry and (impreg\$6 same silica		2002/11/10 10:00
		same (PTFE or (polytetrafluoroethylene))) and nip\$3		
-	5	(membrane\$3 or (non adj woven\$3) or fabric or	USPAT	2002/11/18 10:57
		material\$3) and slurry and (impreg\$6 same silica		10.07
		same (PTFE or (polytetrafluoroethylene))) and nip\$3		İ
_	5	(membrane\$3 or (non adj woven\$3) or fabric or	USPAT	2002/11/18 10:58
		material\$3 or matrix) and slurry and (impreg\$6 same		1 2002, 22, 20 20.00
		silica same (PTFE or (polytetrafluoroethylene))) and		
		nip\$3		
-	5	(membrane\$3 or (non adj woven\$3) or fabric or	USPAT	2002/11/18 11:03
		material\$3 or matrix) and slurry and (impreg\$6 same		
		silica same (PTFE or (polytetrafluoroethylene) or		
	ļ	ETFE or FEP or ETFE or PVF or PVDF)) and nip\$3		
-	1	"5985112".PN.	USPAT	2002/11/18 11:05
-	1	"5888393".PN.	USPAT	2002/11/18 11:05
-	1	"5780126".PN.	USPAT	2002/11/18 11:05

-	1		USPAT	2002/11/18 11:06
-	1		USPAT	2002/11/18 11:06
-	1	"5691054".PN.	USPAT	2002/11/18 11:06
-	1539	427/379	USPAT	2002/11/18 11:41
-	309	442/409	USPAT	2002/11/20
				16:24
-	0	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/20
		and (fluorinate\$2 adj2 hydrocarbon) and impreg\$6		16:26
		and (ion adj2 conduct\$4) and polymer\$3		-51.20
_	0	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/20
		and (fluorinate\$2 adj2 hydrocarbon) and impreg\$6	001777	16:28
		and (ion adj2 conduct\$4) and polymer\$3	1	10.20
_	0	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/20
		and (fluorinate\$2 adj2 hydrocarbon) and impreg\$6	OSFAT	1
		and (ion adj2 conduct\$4)		16:29
_	4	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	LICDAT	2000 44 400
		and (fluorinate\$2 adj2 hydrocarbon) and impreg\$6	USPAT	2002/11/20
	1025	162/135	LICOAT	16:44
_	1025	102/133	USPAT	2002/11/20
1_	226	162/125 and improvements	1100.0	16:32
_	440	162/135 and impregn\$5	USPAT	2002/11/20
		440,405		16:32
_	8	162/135 and (impregn\$5 and (polytetrafluoroethylene	USPAT	2002/11/20
		or PTFE or FEP or ETFE or FEP or PVF or PVDF))		16:34
-	1117	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/20
	1	and impreg\$6		16:43
-	149	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/21 13:01
		and impreg\$6 and (polytetrafluoroethylene or PTFE		
		or FEP or ETFE or FEP or PVF or PVDF)		
-	102	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/21 10:26
	1	and impreg\$6 and (polytetrafluoroethylene or PTFE		
		or FEP or ETFE or FEP or PVF or PVDF) and bind\$3		
-	13	fibe\$6 and slurry and deposit\$3 and dry\$5 and silica	USPAT	2002/11/20
		and impreg\$6 and (polytetrafluoroethylene or PTFE		16:59
		or FEP or ETFE or FEP or PVF or PVDF) and bind\$3		
	1	and (paper adj3 mak\$4)		
-	11	"5009971"	USPAT	2002/11/20
				17:02
-	2	"5547550"	USPAT	2002/11/20
				17:03
-	6	"5584977"	USPAT	2002/11/20
			· · · ·	17:27
_	2	"8217113 "	USPAT;	2002/11/20
			DERWENT	17:27
_	6	"8003824"	USPAT;	2002/11/20
			DERWENT	17:29
_	20	"5747550"	USPAT;	2002/11/20
			DERWENT	17:30
_	3	"5547550"		
i		02.7,000	USPAT; DERWENT	2002/11/20 17:31
_	15	"911432"		2002/11/20 17:24
	1.5	711 104	USPAT;	2002/11/20 17:31
i			EPO;	
	L		DERWENT	

	т			
-	128	3282875.pn. 4329435.pn. 4330654.pn. 4358545.pn.	USPAT;	2002/11/21 10:51
		4417969.pn. 4433082.pn. 4610762.pn. 4743349.pn.	EPO; JPO;	
		4775551.pn. 4940525.pn. 5094995.pn. 5438082.pn.	DERWENT	
		5468574.pn. 5547550.pn. 5547551.pn. 5584977.pn.		
		5595676.pn. 5599639.pn. "331321" "345964"		
		"574791" "731520" "791974" "911432" "59154769"		
		"60037668" "8003824" "9416002" "9508581"		
		"9725369"		
_	11	(3282875.pn. 4329435.pn. 4330654.pn. 4358545.pn.	USPAT;	2002/11/21
		4417969.pn. 4433082.pn. 4610762.pn. 4743349.pn.	EPO; JPO;	09:50
		4775551.pn. 4940525.pn. 5094995.pn. 5438082.pn.	DERWENT	
		5468574.pn. 5547550.pn. 5547551.pn. 5584977.pn.		
		5595676.pn. 5599639.pn. "331321" "345964"		
		"574791" "731520" "791974" "911432" "59154769"		
		"60037668" "8003824" "9416002" "9508581"		
		"9725369") and impreg\$5		
_	1	"3174895".PN.	USPAT	2002/11/21 10:13
-	1	"3458329".PN.	USPAT	2002/11/21 10:13
_	1	"3510394".PN.	USPAT	2002/11/21 10:13
_	1	"3591010".PN.	USPAT	2002/11/21 10:13
_	1	"3591010".PN.	USPAT	2002/11/21 10:13
_	1	"4225569".PN.	USPAT	2002/11/21 10:13
_	1	"3591010".PN.	USPAT	2002/11/21 10:13
1_	1	"4225569".PN.	USPAT	2002/11/21 10:14
_	1	"4225569".PN.	USPAT	2002/11/21 10:14
	1	"4231768".PN.	USPAT	2002/11/21 10:14
	1	"4256607",PN.	USPAT	2002/11/21 10:15
_	1	"4256607".PN.	USPAT	2002/11/21 10:15
	1	"4284612".PN.	USPAT	2002/11/21 10:15
_	11	"5009971"	USPAT	2002/11/21 10:15
1_	31552	impregn\$6 same paper	USPAT;	2002/11/21 10:52
	01332	Impregnate same paper	EPO; JPO;	2002/11/21 10:32
			DERWENT	
_	131	impregn\$6 same paper same PTFE	USPAT;	2002/11/21 10:54
	101	inspregno same paper same i i c	EPO; JPO;	2002/11/21 10.54
			DERWENT	
	2	(impregn\$6 same paper same PTFE) same silica	USPAT;	2002/11/21 10:57
		(impregnito sume paper sume Fit E) sume sincu	EPO; JPO;	2002/11/21 10:5/
_	3	"5547550"	DERWENT USPAT;	2002/11/21 10:59
		337/330	EPO; JPO;	2002/11/21 10:39
_	1	"4665120".PN.	DERWENT USPAT	2002/11/21 10:57
	57	"3853720"		
_	5/	30337.20	USPAT;	2002/11/21 11:14
]		EPO; JPO;	
_	4	"3853720" and silica	DERWENT	2002/11/21 11:14
-	4	30007 EU and Silica	USPAT;	2002/11/21 11:14
			EPO; JPO;	
	122	h a a h a th	DERWENT	2002/11/24 11:24
1 -	123	bachot	USPAT	2002/11/21 11:24
-	28	bachot and jean	USPAT	2002/11/21 11:25
-	13	bachot and jean and impreg\$6	USPAT	2002/11/21 11:25
-	1	"3694281",PN.	USPAT	2002/11/21 11:46
L <u></u>	1	"4031041".PN.	USPAT	2002/11/21 11:51

	-		T	
-	1	"4101395".PN.	USPAT	2002/11/21 11:52
-	1	"4178218".PN.	USPAT	2002/11/21 11:53
-	0	fibe\$6 same slurry same deposit\$3 same silica same	USPAT	2002/11/21 13:01
		PTFE and impreg\$6 and (polytetrafluoroethylene or		
		PTFE or FEP or ETFE or FEP or PVF or PVDF)		
-	1	fibe\$6 same slurry same deposit\$3 same silica and	USPAT	2002/11/21 13:02
1		impreg\$6 and (polytetrafluoroethylene or PTFE or		
		FEP or ETFE or FEP or PVF or PVDF)		
-	2	"6071641"	USPAT	2002/11/21 13:04
-	1	"2117371",PN.	USPAT	2002/11/21 13:03
-	1	"2311613".PN.	USPAT	2002/11/21 13:07
-	1	"2477000".PN.	USPAT	2002/11/21 13:03
-	175	162/265	USPAT	2002/11/21 13:05
-	7	162/265 and silica	USPAT	2002/11/21 13:06
_	1	"2734095".PN.	USPAT	2002/11/21 13:08
_	1	"4216280".PN.	USPAT	2002/11/21 13:08
-	1	"4245013".PN.	USPAT	2002/11/21 13:09
_	0	impregn\$5 same PTFE same nip\$5 same roller\$3 and	USPAT	2002/11/21 13:17
		(papermak\$5 or (paper adj making))		
_	2	(impregn\$5 same PTFE same roller\$3) and	USPAT	2002/11/21 13:19
		(papermak\$5 or (paper adj making))		
_	1 0	(impregn\$5 same fluro\$6 same roller\$3) and	USPAT	2002/11/21 13:20
		(papermak\$5 or (paper adj making))		1002, 11, 21 10:20
_	1	(impregn\$5 same fluoro\$7 same roller\$3) and	USPAT	2002/11/21 13:20
	_	(papermak\$5 or (paper adj making))	00,711	1000,11,1110,10
i	21	(impregn\$5 same polymer same roller\$3) and	USPAT	2002/11/21 13:20
		(papermak\$5 or (paper adj making))	001711	2002/11/21 15:20
_	26	jan same denton	USPAT	2003/10/27
			001711	16:10
_	35	jan same denton	USPAT;	2003/10/27
		Jan Jan John John Jan Jan Jan Jan Jan Jan Jan Jan Jan Ja	US-PGPUB;	16:10
			EPO; JPO;	10.10
			DERWENT	
_	7	(jan same denton) and slurry	USPAT;	2003/10/27
		Gan same demony and starry	US-PGPUB;	16:13
			EPO; JPO;	10.10
			DERWENT	
_	8	"6042958"	USPAT;	2003/10/27
		00,12,00	US-PGPUB:	16:14
	[EPO; JPO;	10,17
			DERWENT	
_	6	"6042958" and (silica)	USPAT:	2003/10/27
		oo 12700 and (sinea)	US-PGPUB;	16:14
	-			10.14
			EPO; JPO; DERWENT	
_	1	"3282875".PN.		2003/10/27
	1 1	0000/0 J1N	USPAT	2003/10/27 16:16
	1	"5865968".PN.	LICDAT	2003/10/27
		J00J900 .FIN.	USPAT	1
_	1	"5500420" DN1	LICDAT	16:16
-	1	"5599639".PN.	USPAT	2003/10/27
	4	"5500414" DN	LICDAT	16:17
-	1	"5599614".PN.	USPAT	2003/10/27
			<u> </u>	16:17

-	1	"5468574".PN.	USPAT	2003/10/27
				16:18
-	1	"5468574".PN.	USPAT	2003/10/27
				16:18
-	1	"5460705",PN.	USPAT	2003/10/27
				16:18
-	1	"5438082".PN.	USPAT	2003/10/27
				16:18
-	1	"5094995",PN.	USPAT	2003/10/27
				16:18
-	1	"4664761".PN.	USPAT	2003/10/27
				16:18
-	1	"4433082",PN.	USPAT	2003/10/27
				16:18
-	5	"6042958"	USPAT	2003/10/27
				17:26
-	0	"6042958" and dispersion	USPAT	2003/10/27
				17:26
-	3	"6042958" and dispers\$5	USPAT	2003/10/27
				17:32
-	5	"6042958" and solution	USPAT	2003/10/27
	į			17:48
-	4	"6042958" and solution and silica	USPAT	2003/10/27
				17:48
-	3	"6042958" and solution and silica and PTFE	USPAT	2003/10/27
				17:48